

CLAIMS

1. A deuteron generating target comprising:

a base film mainly composed of a halogen-containing organic compound; and

5 an upper film provided on said base film and mainly composed of a deuterated organic compound.

2. A deuteron generating target comprising a porous base film mainly composed of halogen-containing organic compound,

wherein a deuterated organic compound is impregnated in at least part of said porous base film.

10 3. A deuteron generating target according to claim 1 or claim 2, wherein said halogen-containing organic compound is fluorine-substituted hydrocarbon.

4. A deuteron generating target apparatus comprising:

15 a deuteron generating target according to any one of claims 1 to 3;

a holder holding said deuteron generating target on a predetermined surface;

20 a laser source irradiating said deuteron generating target with a laser beam to a predetermined area of said deuteron generating target; and

25 a driving mechanism moving said deuteron generating target on said predetermined surface so as to change a relative position of the laser beam-irradiated area on said deuteron generating target with respect to said laser source.